



# 2011

Annual Report

**TEXAS COASTAL MANAGEMENT PROGRAM**



# Coastal Coordination Council

## Chairman

### **The Honorable Jerry Patterson**

Commissioner, Texas General Land Office

## Members

### **The Honorable Elizabeth Ames Jones**

Commissioner, Railroad Commission of Texas

### **Mr. Edward Vaughan**

Member, Texas Water Development Board

### **Mr. Buddy Garcia**

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### **Mr. Ned Holmes**

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Director, Texas Sea Grant College Program

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### **Ms. Karen Hixon**

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### **The Honorable George Deshotels**

Commissioner, Matagorda County

Local Government Representative

### **Mr. Bob McCan**

Agriculture Representative

### **Mr. Jerry Mohn**

Local Business Representative

### **Mr. Robert "Bob" Jones**

Local Citizen Representative



## **Fiscal Year 2011 Meeting Schedule**

**February 7, 2011**

**Executive Committee**

**Austin**

*Meeting information is available at <http://www.glo.texas.gov/GLO/boards-and-commissions/coastal-coordination-council/ccc-meetings.html>*

### **Coastal Coordination Act of 1991**

It is declared to be the policy of this state to make more effective and efficient use of public funds and provide for more effective and efficient management of coastal natural resource areas, and to better serve the people of Texas by:

continually reviewing the principal coastal problems of state concern; coordinating the performance of government programs affecting coastal natural resource areas; coordinating the measures required to resolve identified coastal problems; and making all coastal management processes more visible, accessible, coherent, consistent, and accountable to the people of Texas.

(Texas Natural Resources Code §33.202(a))



## Texas Coastal Management Program Goals

- to protect, preserve, restore, and enhance the diversity, quality, quantity, functions, and values of coastal natural resource areas;
- to ensure sound management of all coastal resources by allowing for compatible economic development and multiple human uses of the coastal zone;
- to minimize loss of human life and property due to the impairment and loss of protective features of coastal natural resource areas;
- to ensure and enhance planned public access to and enjoyment of the coastal zone in a manner that is compatible with private property rights and other uses of the coastal zone;
- to balance the benefits from economic development and multiple human uses of the coastal zone, the benefits from protecting, preserving, restoring, and enhancing coastal natural resource areas, the benefits from minimizing loss of human life and property, and the benefits from public access to and enjoyment of the coastal zone;
- to coordinate agency and subdivision decision-making affecting coastal natural resource areas by establishing clear, objective policies for the management of coastal natural resource areas;
- to make agency and subdivision decision-making affecting coastal natural resource areas efficient by identifying and addressing duplication and conflicts among local, state, and federal regulatory and other programs for the management of coastal natural resource areas;
- to make agency and subdivision decision-making affecting coastal natural resource areas more effective by employing the most comprehensive, accurate, and reliable information and scientific data available and by developing, distributing for public comment, and maintaining a coordinated, publicly accessible geographic information system of maps of the coastal zone and coastal natural resource areas at the earliest possible date;
- to make coastal management processes visible, coherent, accessible, and accountable to the people of Texas by providing for public participation in the ongoing development and implementation of the Texas CMP; and
- to educate the public about the principal coastal problems of state concern and technology available for the protection and improved management of coastal natural resource areas.



# Texas Coastal Management Program



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# List of Acronyms

<b>BMPs</b> Best Management Practices	<b>CZMP</b> Coastal Zone Management Program	<b>PAG</b> Permitting Assistance Group
<b>CBBEP</b> Coastal Bend Bays and Estuaries Program	<b>FY</b> Fiscal Year	<b>PSC</b> Permit Service Center
<b>CCA</b> Coastal Coordination Act	<b>GBEP</b> Galveston Bay Estuary Program	<b>PUC</b> Public Utility Commission of Texas
<b>CCAC</b> Coastal Coordination Advisory Committee	<b>GBF</b> Galveston Bay Foundation	<b>RRC</b> Railroad Commission of Texas
<b>CELCP</b> Coastal and Estuarine Land Conservation Program	<b>GLO</b> Texas General Land Office	<b>SAC</b> Texas Sunset Advisory Commission
<b>CEPRA</b> Coastal Erosion Planning and Response Act	<b>JPAF</b> Joint Permit Application Form	<b>SLB</b> School Land Board
<b>CMP</b> Texas Coastal Management Program	<b>Land Commissioner</b> Texas Land Commissioner	<b>SSCN</b> Spanish & Science Club Network
<b>CNRAs</b> Coastal Natural Resource Areas	<b>NERRS</b> National Estuarine Research Reserve System	<b>TCEQ</b> Texas Commission on Environmental Quality
<b>Corps</b> U.S. Army Corps of Engineers	<b>NOAA</b> National Oceanic and Atmospheric Administration	<b>THC</b> Texas Historical Commission
<b>Council</b> Coastal Coordination Council	<b>NPS</b> Nonpoint Source	<b>TPWD</b> Texas Parks and Wildlife Department
<b>CZMA</b> Coastal Zone Management Act	<b>OBA</b> Texas Open Beaches Act	<b>TSSWCB</b> Texas State Soil and Water Conservation Board
<b>CZMAPMS</b> Coastal Zone Management Act Performance Measurement System	<b>OCR</b> Office of Ocean and Coastal Resource Management	<b>TxDOT</b> Texas Department of Transportation

# Introduction

The Texas Coastal Management Program (CMP) was finalized in 1997 and accepted into the Coastal Zone Management Program (CZMP) by the National Oceanic and Atmospheric Administration (NOAA), after the Texas Legislature passed the Coastal Coordination Act (CCA) in 1991. Concerns raised by Texas coastal citizens regarding the need for a unified and comprehensive approach to the management of coastal natural resources and other complex coastal issues spurred the passage of this act to address the concerns and better manage the coastal issues. The CCA called for the development of a comprehensive coastal program based on already existing statutes and regulations and directed the Texas General Land Office (GLO) to develop a long-range, comprehensive plan for managing the Texas coast.

The CCA also set the boundaries of the state's coastal zone to include all or part of 18 coastal counties and more than 8 million acres of land and water, established the framework for a federally approved coastal management program, and created the Coastal Coordination Council (Council) to establish rules for certification for consistency with the goals and policies of the CMP, and to approve CMP-funded projects.

The mission of the CMP is to improve the management of the state's coastal natural resource areas (CNRAs)—areas designated by the Council to be of particular concern to the state—and to ensure the long-term ecological and economic productivity of the Texas coast. To help ensure sound decision-making, the Council adopted uniform goals and policies for all entities regulating or managing natural resource use on the coast. Two significant events impacted the CMP significantly during Fiscal Year (FY) 2011. One was the Texas Sunset Advisory Commission (SAC) review of the Council, the other was a lawsuit.

In 2010, the Council underwent review by the SAC, which found that while the state benefits from maintaining a federally approved CMP, the Council is no longer needed to administer it. The SAC recommended that the Council



be abolished, its powers transferred to the GLO and an Advisory Committee be created to assist the GLO with administrative responsibilities and evaluate the usefulness of the Permitting Assistance Group (PAG). In response to the SAC review, the 82nd Texas Legislature passed and the Governor signed into law SB 656. The new law, which became effective September 1, 2011: abolishes the Council; assigns the Council's functions to the Texas Land Commissioner (Land Commissioner) and the GLO; requires the Land Com-



missioner to establish a Coastal Coordination Advisory Committee (CCAC); and directs the Land Commissioner to evaluate the PAG's functions and membership.

During FY 2011, another major challenge that impacted the Texas coast was the Carol Severance vs. Jerry Patterson lawsuit. Carol Severance, a California resident who owned front-row properties in Galveston, and the Pacific Legal Foundation filed a federal lawsuit claiming the rolling beach easement of the Texas Open Beaches Act (OBA) violates constitutionally guaranteed rights by creating a governmental taking of private property for public use without just compensation. Under the OBA the dry beach is typically subject to an easement that allows the public to access and use the beach. The case is under review by the Texas Supreme Court.

As required by §33.204(f) of the CCA, the GLO, in conjunction with the networked agencies and subdivisions of the CMP, must prepare an annual report on the effectiveness of the CMP. This report covers the state FY 2011, which runs from September 1, 2010, through August 31, 2011, and includes highlights and key activities of the CMP.

# Program Budget



Each year, the Council receives approximately \$2.5 million under the Coastal Zone Management Act (CZMA) to implement the state's CMP. The CZMA provides funding for three programs: the coastal resource improvement program (\$306/\$306A), the program enhancement program (\$309), and the state's coastal nonpoint source (NPS) pollution control program (\$310).

For state FY 2011, the state received \$2,619,000 in funding from NOAA to administer the CMP: \$2,083,000 for the coastal resource improvement program (\$306/\$306A) and \$536,000 for the program enhancement program (\$309). The state received no funds for the state's NPS pollution control program (\$310). The state is required to match the \$306/\$306A funds at a 1:1 ratio. However, a match is not required for \$309 program enhancement funding.

The state awards approximately 90 percent (\$1,767,509) of its \$306/\$306A funding to eligible entities for coastal projects through a competitive grant process. Grant subrecipients are required to match 50 percent of the \$1.73 million. However, the state provides 10 percent of that match to lower the subrecipient match to 40 percent. The state retains approximately 10 percent for program administration, matching this amount with salaries, fringe benefits, and indirect costs.

The following is a breakdown of the \$306/\$306A, \$309 and \$310 budgets:

<b>\$306/\$306A</b>	<b>State</b>	<b>Subrecipients</b>	<b>Total</b>
<b>Federal Amount Awarded</b>	\$315,491.00	\$1,767,509.00	\$2,083,000.00
<b>State/Subrecipient Match</b>	\$812,955.00	\$1,270,045.00	\$2,083,000.00
<b>Subtotal</b>	\$1,128,447.00	\$3,037,554.00	\$4,166,000.00
<b>\$309</b>	<b>State</b>	<b>Subrecipients</b>	<b>Total</b>
<b>Federal Amount Awarded</b>	\$315,491.00	\$1,767,509.00	\$2,083,000.00

# Program Overview

## Federal Consistency Review

Approval of the CMP gave Texas the authority to review proposed federal actions and activities that are located in or may affect land and water resources in the Texas coastal zone. This process, called federal consistency review, allows the state to review:

- projects requiring a federal license or permit,
- direct activities proposed by federal agencies, and
- federal financial assistance to state and local governments.

This review ensures the state's interest is fairly represented, and that the state has the opportunity to provide input into policies, procedures, or actions and activities that may affect the management of coastal areas.

These actions and activities are evaluated for potential impacts to CNRAs and must comply with the goals and policies of the program. The following 16 CNRAs have been identified under the program:

- Waters of the open Gulf of Mexico
- Waters under tidal influence
- Submerged lands
- Coastal wetlands
- Submerged aquatic vegetation
- Tidal sand and mud flats
- Oyster reefs
- Hard substrate reefs
- Coastal barriers
- Coastal shore areas
- Gulf beaches
- Critical dune areas
- Special hazard areas
- Critical erosion areas
- Coastal historic areas
- Coastal preserves





Federal actions are federal licenses or permits issued by a federal agency that govern land or water uses in the coastal zone. For example, a U.S. Army Corps of Engineers (Corps) permit for pier or boat dock construction is considered a federal action. A total of 230 actions requiring a federal license or permit were reviewed during Federal FY 2011, which runs from October 1, 2010 through September 30, 2011.

Federal activities are those performed by or for a federal agency in response to its statutory responsibility. For example, maintenance dredging of a navigation channel or changes in federal permitting processes are considered federal activities. During Federal FY 2011, six federal activities were reviewed for consistency.

Financial assistance projects are state or local applications for federal funding. For example, a request for funding a flood control project is considered a request for financial assistance. Eighty-three financial assistance projects were reviewed during Federal FY 2011.

All of the proposed federal agency actions, activities, or financial assistance projects reviewed by GLO staff and considered by the Land Commissioner were deemed consistent with CMP goals and policies. The public is encouraged to participate in the consistency review process using the *Texas Register* notification system and through the GLO's Internet site at <http://www.glo.texas.gov/what-we-do/caring-for-the-coast/public-notice/index.html>.

County	Number of Federal Permits or Licenses
Aransas	17
Brazoria	23
Calhoun	5
Cameron	11
Chambers	14
Fort Bend	1
Galveston	44
Harris	28
Jackson	1
Jefferson	16
Kenedy	3
Kleberg	3
Matagorda	15
Nueces	23
Orange	2
Polk	11
Refugio	1
San Jacinto	2
San Patricio	4
Victoria	1
Willacy	5

## State Consistency Review

The CCA requires the rules and actions of the networked state agencies to be consistent with the program's goals and policies. Each networked agency is responsible for ensuring its actions are consistent with the CMP. Networked agencies are those with activities or rules that affect or protect CNRAs. The affected state agencies are the School Land Board (SLB), the Boards for Lease of State-owned Lands, the Public Utility Commission of Texas (PUC), the Texas Historical Commission (THC), the Texas State Soil and Water Conservation Board (TSSWCB), the Railroad Commission of Texas (RRC), the GLO, the Texas Commission on Environmental Quality (TCEQ), the Texas Department of Transportation (TxDOT), and the Texas Parks and Wildlife Department (TPWD). Certification of an agency's

rules is the primary tool for ensuring that a networked agency's rules governing actions subject to the CMP are consistent with the program. Once an agency's rules are certified, the agency can adopt consistency review thresholds limiting the Council's authority to review its actions. The agencies are responsible for enforcing the provisions of the CMP. All agencies are authorized to enforce the permits or authorizations they issue.

During FY 2011, the GLO received quarterly reports from the networked state agencies on permitting actions, rulemakings, and enforcement actions. The reporting state agencies received 3,661 permitting applications of which 2,301 were approved without conditions, and 413 were approved with conditions. The state agencies submitted and adopted 11 rulemakings. In addition, the state agencies reported undertaking 693 administrative orders.

## Permit Service Center

Overlapping jurisdiction between the Corps and state agencies resulted in redundancies that created a complicated application process for common projects, such as residential piers or placement of fill material to construct a building. The PAG was formed to: identify and address such obstacles; encourage interagency cooperation; offer the public a one-stop-shop for project-specific advice while navigating the permit application process; and serve as a liaison to the Council on permitting issues. The PAG is comprised of Council members and representatives of federal and state agencies that participate in the permitting process as applicants, permitting entities, or commenters.

The PAG did not meet during FY 2011. The SAC reviewed the CMP, including the Council. After a thorough review, the SAC recommended the abolition of the Council and transfer of its functions to the Land Commissioner. In response to the SAC's review, the 82nd Texas Legislature passed and the Governor signed into law a bill implementing the SAC's recommenda-



tions. The bill also required the Land Commissioner to establish the CCAC and evaluate the functions and membership of the PAG. Results of these requirements will be presented in the FY 2012 report.

The Permit Service Center (PSC) assists applicants in submitting administratively complete applications and improves the efficiency of the permit process by troubleshooting applications before submission to the regulatory agencies. This has allowed permitting authorities to reduce processing time.

### Analysis of Permit Application Reviews

During the FY 2011 reporting period, the PSC assisted 239 applicants. The Corpus Christi office processed 59 Joint Permit Application Forms (JPAF) and the Galveston office processed 101 for a combined total of 160. In FY 2010, the PSC processed 90 JPAFs. The processing time per JPAF, which includes logging information, reviewing the application for completeness, and forwarding to the appropriate state/federal agency for formal permit evaluation, averaged 4 days. The PSC met the FY 2011 Legislative Budget Board target of 110 JPAFs. The increase of JPAFs can be attributed to the Structure Registration/General Permit (SP/GP) agreement between the Corps Regulatory Branch and the GLO's Professional Services Division. Permitting assistance responses are derived through use of the PSC database chronology report function maintained by PSC staff. The table (above) includes all project-related actions, such as phone calls, walk-ins, onsite visits, emails from clients, mailings to clients, records management, and referrals/assistance with website navigation.

### FY 2010 and 2011 Permitting Assistance Responses (by Quarter)

Quarter	FY2010	FY2011
1	1,281	717
2	728	704
3	355	818
4	625	523
<b>Total</b>	<b>2,989</b>	<b>2,762</b>

## The PSC has two locations:

### Permit Service Center (Upper Coast)

#### Texas A&M University-Galveston

MERC Bldg., 3027

Suite 126

P.O. Box 1675

Galveston, TX 77553-1657

Toll-free: 866.894.7664

Phone: 409.741.4057

Fax: 409.741.4010

### Permit Service Center (Lower Coast)

#### Texas A&M University-Corpus Christi

6300 Ocean Drive, TAMU-CC

Carlos F. Truan Natural Resources Center

Suite 2800

Corpus Christi, TX 78412-5841

Toll-free: 866.894.3578

Phone: 361.825.3050

Fax: 361.825.3465

**[permitting.assistance@glo.texas.gov](mailto:permitting.assistance@glo.texas.gov)**  
**[glo.texas.gov](http://glo.texas.gov)**



## Texas Coastal Nonpoint Source Pollution Control Program

As a requirement for federal approval of its CMP, Texas developed and implemented a program to identify sources of coastal NPS pollution and develop recommendations for its prevention.

Texas' Coastal NPS Pollution Program was conditionally approved on July 9, 2003. However, NOAA identified five management areas Texas must strengthen or correct prior to receiving full approval of the Coastal NPS Pollution Program. These areas are:

1. new development and site development;
2. watershed protection and existing development;
3. new and operating onsite disposal systems;
4. roads, highways, and bridges; and
5. hydromodification.



The hydromodification condition was lifted with the development of a Hydromodification Manual. The GLO, TCEQ, and TSSWCB have submitted documents outlining programs that are currently in place and new programs that will satisfy the remaining conditions. The TSSWB and TCEQ are working to address the first three remaining conditions. The GLO staff is working with TxDOT and TCEQ staff to address the fourth condition.

## Texas Coastal and Estuarine Land Conservation Program

The U.S. Congress, through the adoption of the Appropriations Act of 2002 (Public Law 107-77), directed the Secretary of Commerce to establish a Coastal and Estuarine Land Conservation Program (CELCP) "for the purpose of protecting important coastal and estuarine areas that have significant conservation, recreation, ecological, his-



torical, or aesthetic values, or are threatened by conversion from their natural or recreational state to other uses," giving priority to lands that can be effectively managed and protected and that have significant ecological value.

In establishing the CELCP, Congress: 1) directed the Secretary of Commerce to develop guidelines delineating necessary criteria for grant awards; 2) required the governor of each coastal state to designate a lead agency to administer the state CELCP, if a state's lead agency for its coastal management program does not assume the role; and 3) required a 1:1 match from non-federal funding sources for financial assistance awarded under the program.

In June 2003, the Office of Coastal and Resource Management (OCRM) at NOAA issued guidelines for states to follow in developing state CELCP plans. These guidelines required the states to submit



a state CELCP plan, establish a process for identifying and ranking qualified projects within the state, and nominate projects to an annual national competitive selection process. The Texas CELCP was approved in 2010.

### **CELCP Project Proposals**

In response to NOAA's request for proposals in 2007, 2008, and 2009, Texas has, each year, submitted proposals from local governments to acquire coastal land. In 2007 and 2008, the city of Webster submitted proposals to acquire land along Clear Creek. In 2008 and 2009, the Houston Parks Board submitted proposals for acquisition of lands along Cypress Creek in northern Harris County and another for an area along Brays Bayou. In 2011, the Settegast Coastal Heritage Preserve submitted a proposal to acquire and protect approximately 180 acres of land on West Galveston Island adjacent to West Bay. TPWD also submitted a proposal to acquire Big Tree Ranch in Aransas County in 2011. NOAA did not select these projects for funding.

## **Coastal Zone Management Act Performance Measurement System**

NOAA uses performance measures to assess how well the CZMP and National Estuarine Research Reserve System (NERRS) are achieving the goals of the CZMA. NOAA has used expert panels, collaborative work groups, and studies involving Coastal States and Reserves to develop performance measures that accommodate varying management structures and differing coastal priorities across coastal states. Performance measures include the following components:

1. Performance Indicators,
2. Units of Measure, and
3. Baseline Information.

Long-term monitoring and data collection of performance measures establish a baseline and identify trends in coastal resource management outcomes. With appropriate support, it will become a powerful tool for management of the nation's coastal zone and for demonstrating the success of the CZMA in preserving, protecting, and restoring coastal resources and sustaining coastal communities throughout the United States for this and future generations.

The Coastal Zone Management Act Performance Measurement System (CZMAPMS) tracks national indicators of the effectiveness of the coastal management programs and NERRS in achieving CZMA and strategic objectives. The system consists of contextual indicators to provide information on environmental and socioeconomic factors influencing program actions and performance measures to assess how well states are achieving CZMA program objectives.

The OCRM collaborated with coastal management programs and NERRS to develop a performance measurement system that provides flexibility and accommodates varying management structures and differing coastal priorities across coastal states.

Quantification of management outcomes directly responds to congressional requests for performance measures to assess the national impact of CZMA programs and to recommendations by the Office of Management and Budget that CZMA programs develop outcome-oriented performance measures to demonstrate program effectiveness. In addition to improving program accountability, the CZMAPMS will also facilitate adaptive management, enhance communication, and inform planning and resource allocation decisions by federal and state coastal managers.

## **National Coastal Zone Management Program Performance Measures**

The CZMA Program has five categories of performance measures:

- Coastal Habitats,
- Coastal Hazards,
- Coastal Dependent Uses and Community Development,
- Public Access, and
- Government Coordination and Decision-Making.

Implementation of the performance measures is conducted collaboratively with the 33 state and territory coastal management programs. A 3-year phased approach completed in 2008 resulted in a core set of measures representing shared national priorities with feasible and consistent reporting standards.

The CZMA Program is also developing approaches to communicate the results of the performance measures and nationally collected contextual indicators. Recommendations for communicating the results were developed by a group of representatives from the Coastal States Organization, coastal management programs, and OCRM.



The information is reported to OCRM annually or every five years depending upon the performance measure or contextual indicator. Information reported every five years is entirely contextual and is submitted as part of the program's \$309 Assessment and Strategy Report, which is described in detail later in this report.

At the state level, the data is used for CMP goals and programmatic strategies, including the CMP Grants Program. Texas' Performance Measures reported to OCRM are included in Appendix A and represent the data from projects completed during the Federal FY 2011 and reported to OCRM in October 2011.



## Program Changes

Title 15 Code of Federal Regulations Part 923 requires states with federally approved coastal management programs to report amendments to their enforceable policies. The staff has been working with NOAA's OCRM to develop a reporting system that will focus on the core statutes and administrative rules that comprise the state program and will significantly reduce the demands on both Texas and OCRM staff while ensuring that the program remains in compliance with federal program requirements.

In light of the Council becoming an advisory committee under SAC recommendations, the GLO staff has been working with OCRM to submit program changes.

## Education and Outreach

Education and outreach efforts expressed through CMP-funded projects are particularly important along our Texas coast and within the coastal community. Education and outreach projects funded under the CMP included:

- The Galveston Bay Foundation (GBF) launched its Boater Waste Education Campaign to address illegal discharges through targeted outreach and education to boaters. This project focused on the Clear Lake, Texas boating/marina community and was also applicable to Galveston Bay users as a whole. The purpose of the campaign was to decrease the incidences of illegal discharge of boater sewage waste in the Galveston Bay Estuary, particularly Clear Lake since it has the third highest concentration of privately owned marinas in the United States. The project has involved the development of social marketing messages, including personal communications through presentations and exhibits, print, billboard and Internet use. The campaign emphasized environmental harm caused by raw sewage and how boaters can properly dispose of their waste. GBF oversaw the development and distribution of the message with the advice of a workgroup of stakeholders from the Galveston Bay Estuary Program (GBEP), the TCEQ, the Clean Texas Marina Program, the Clear Lake Marina Association and other environmental nonprofit organizations. GBF plans to take a new approach in the future to include water quality testing to better quantify the results of their campaign.
- The Gulf of Mexico Foundation through its Science & Spanish Club Network (SSCN) continued to build upon previously funded CMP projects within four major critical habitats along the Texas coast: the Bahia Grande, Redfish Bay, Aransas National Wildlife Refuge/Matagorda Island and Matagorda Bay. This project built upon the successes of past and present collaborations with a mix of working partnerships that continued to strengthen the SSCN sense of confidence in carrying out educational activities. Tasks included: establishing an annual Matagorda Island shoreline cleanup; creating a Whooping Crane curriculum product; establishing an annual Seagrass Festival in the Redfish Bay State Scientific Study Area community; establishing an ecosystem-based partnership of four coastal municipalities (Los Fresnos, Laguna Vista, Port Isabel and South Padre Island) in closest proximity to the Bahia Grande Restoration Project to continue cleanup and public education and outreach efforts by the SSCN; participating at the annual Earth Day Bay Day in Corpus Christi to introduce an innovative approach to strengthening science and math skills to increase test scores; and participating in the SSCN 6th Annual Gulf of Mexico Youth Leadership in Stewardship on current coastal issues.

- The Texas High School Coastal Monitoring Program encouraged high school students, teachers, and scientists to work together to gain a better understanding of dune and beach dynamics on the Texas coast. Scientists from The University of Texas at Austin provided the tools and training needed for scientific investigation. Students and teachers learned how to measure the topography, map the vegetation line and shoreline, and observe weather and wave conditions. By participating in an actual research project, the students obtained an enhanced science education. Furthermore, public awareness of coastal processes and the CMP is heightened, and the students' efforts provide coastal communities with valuable data on their changing shoreline.



In addition to these education and outreach projects, CMP staff prepared for and participated in the 2011 Coastal Expo which was held on Saturday, June 18, 2011. This event was held on the grounds outside Moody Gardens in Galveston, Texas. The focus of the event was to educate the general public on various environmental issues associated with the coast, as well as recreation along the coast, green energy and renewables. More than 50 exhibits were showcased in this Expo, with the GLO hosting several, including coastal hazards, oil spill, beach and dune and the Beach Watch Program.



Finally, staff distributed a total of 3,797 CMP publications in response to requests from the public, including distribution of the Beach and Bay Access Guide to coastal marinas and Chambers of Commerce along the Texas coast. Additionally, staff distributed the "On The Coast" Winter 2010 and Spring 2011 newsletters to more than 7,000 coastal stakeholders.

The Texas Coastal Connection website ([www.TexasCoastal-Connection.com](http://www.TexasCoastal-Connection.com)) contains information related to coastal topics, the GLO's Adopt-A-Beach program, and other informational links and staff contacts.

A variety of publications, packets, and brochures are available on the GLO website, free of charge, at [glo.texas.gov](http://glo.texas.gov). A list of available publications is included in Appendix B.



# Grants Programs

## Section 306/306A Grants

In FY 2011, under Grant Cycle 16, the Council funded 16 projects totaling \$1,767,509. These projects included one coastal natural hazards response project, four public education and outreach projects, seven critical areas enhancement projects and four water quality improvement projects.

Under Grant Cycle 16, the Council continued to allow applicants to submit individual large-scale projects up to \$400,000 for funding consideration. The types of projects eligible for this funding include:

- habitat protection/restoration/acquisition projects; and
- land acquisition projects that increase public access to coastal bays or gulf beaches and other resources.

The Council selected two individual large-scale projects to receive Cycle 16 funding. These projects were:

- Nueces Bay Marsh Restoration (\$399,000)
- Nueces Delta Freshwater Inflow Management (\$210,000)

## Cycle 16 2011 \$306/306A Grant Awards

Title 15 Code of Federal Regulations Part 923 requires states with federally approved coastal management programs to report amendments to their enforceable policies. Staff has been working with NOAA's OCRM to develop a reporting system that will focus on the core statutes and administrative rules that comprise the state program and will significantly reduce the demands on both Texas and OCRM staff while ensuring that the program remains in compliance with federal program requirements.

## Aransas County

### *The Live Oak Nature and Education Trail*

Aransas County will develop Upper Tule Creek West as a “living lab.” The “living lab” will include trails, educational kiosks, timber observation blinds and interpretive areas with educational



Photo courtesy of Vadim Troshkin, Galveston.com.



signage. A bridge, which is being constructed on the city's hike and bike trail adjacent to the new stream, will make it easily accessible to students and teachers.

**CMP Funded:** **\$100,000**

**Total Project:** **\$167,340**

**Contact:** **Dr. Earl Matthew**  
81 Griffith Drive  
Rockport, TX 78382  
**361.790.3074**

## **Cameron County**

### ***Lower Rio Grande/Rio Bravo Water Quality Initiative: Phase 1***

The University of Texas at Austin - LBJ School of Public Affairs will: 1) protect human health by ensuring clean water for consumption, irrigation, and safe recreation; 2) encourage the restoration and protection of riparian, coastal marsh and wetland areas, improving water quality and natural flood protection; 3) improve the effectiveness and efficiency of water resource management and pollution control; and 4) encourage sustainable economic growth.

**CMP Funded:** **\$90,160**

**Total Project:** **\$207,042**

**Contact:** **Dr. David J. Eaton**  
2315 Red River  
Austin, TX 78712  
**512.626.0333**

## **Galveston County**

### ***Boater Waste Education Campaign***

GBF will continue its marketing campaign for boaters and marinas. The campaign emphasizes 1) environmental harm caused by raw sewage; and 2) how boaters can properly dispose of their waste.

**CMP Funded:** **\$31,066**

**Total Project:** **\$51,777**

**Contact:** **Ms. Julie Mintzer**  
17330 Highway 3  
Webster, TX 77598  
**281.332.3381 x 207**

## **Harris County**

### ***Armand Bayou Watershed Plan - Phase IV Implementation Project***

Armand Bayou Nature Center will implement Phase IV of the Armand Bayou Watershed Plan. The imple-





mentation project will focus on three strategic themes that have been consistent throughout the process: 1) “Continue Strong Leadership” to maintain collaborative stakeholder processes that guides and implements watershed initiatives; 2) “Enhance Community Commitment” to increase awareness and involvement for greater stewardship, especially for water quality; and 3) “Conserve High Priority Land in the Watershed” to protect and restore valuable habitat, for wildlife, human enjoyment, flood management, and water quality protection.

**CMP Funded:** **\$58,985**  
**Total Project:** **\$117,810**  
**Contact:** **Mr. Tom Kartrude**  
 8500 Bay Area Blvd.  
 Pasadena, TX 77507  
**281.474.2551 x 11**

### ***Prairie Rising - A Grassroots Restoration Partnership***

Armand Bayou Nature Center will carry out the Prairie Rising project, which includes the use of prescribed fire and mowing and invasive species control via ground-based herbicide application. Opportunities to learn about aspects of prairie management will be provided to volunteers during their work at Armand Bayou Nature Center.



**CMP Funded:** **\$96,419**  
**Total Project:** **\$174,179**  
**Contact:** **Mr. Mark A. Kramer**  
 8500 Bay Area Blvd.  
 Pasadena, TX 77507  
**281.474.2551 x 15**

### ***Tabbs Bay Project***

The city of Baytown will remove chemically treated, submerged and partially submerged pilings from derelict drilling rigs, defunct derrick platforms, and damaged service docks and piers from Tabbs Bay. This project will improve shoreline access, benefit and enhance public utilization, and aid ecotourism development.

**CMP Funded:** **\$81,000**  
**Total Project:** **\$135,000**  
**Contact:** **Mr. Scott Johnson**  
 2401 Market St.  
 Baytown, TX 77520  
**281.420.6599**

## **Nueces County**

### ***Shell Bank: An Oyster Shell Recycling Program for the Texas Coastal Bend***

Harte Research Institute will expand the oyster shell recycling program, increase community involvement, develop lesson plans for high school students, and monitor oyster growth and reef development.

**CMP Funded:** **\$96,647**

**Total Project:** **\$161,345**

**Contact:** **Dr. Jennifer B. Pollack**  
6300 Ocean Drive, Unit 5869  
Corpus Christi, TX 78412  
**361.825.2041**



### ***Habitat Restoration at the Oso Bay Wetlands Preserve - Phase I***

The city of Corpus Christi will develop a restoration and monitoring plan to begin implementation of on-the-ground restoration activities within the Oso Bay Wetlands Preserve. Project activities will also include the development and implementation of a public outreach/education program to interpret the restoration effort.

**CMP Funded:** **\$100,000**

**Total Project:** **\$166,666**

**Contact:** **Mr. Michael Morris**  
1201 Leopard Street  
Corpus Christi, TX 78401  
**361.826.3464**

### ***Nueces Bay Marsh Restoration***

Coastal Bend Bays & Estuaries Program (CBBEP) will initiate dredge-and-fill operations (in accordance with its Corps permit) to create an additional 15+ acres of marsh complex (with a high percentage of planting area) within the 80-acre containment cell.

**CMP Funded:** **\$399,000**

**Total Project:** **\$665,000**

**Contact:** **Mr. Dustin Cravey**  
1305 N. Shoreline Blvd, Ste 205  
Corpus Christi, TX 78413  
**361.885.6162**





## Refugio County

### *Nueces Delta Freshwater Inflow Management*

CBBEP will design and install a freshwater inflow management structure upstream from the discharge pipeline and implement earth-moving activities as needed to maximize the retention of freshwater inflows in the Nueces Delta.

**CMP Funded:** **\$210,000**

**Total Project:** **\$350,000**

**Contact:** **Mr. Leo Trevino**  
1305 N. Shoreline Blvd, Ste 205  
Corpus Christi, TX 78413  
**361.885.6202**

## Lower Coast

### *San Antonio Bay Watershed Protection Plan - Phase I*

CBBEP will support the development of a San Antonio Bay Watershed Protection Plan. Specifically, funding will be used to develop plan components (subplans or chapters) for two often interrelated subject areas—habitat conservation/restoration and public access to coastal resources.

**CMP Funded:** **\$100,000**

**Total Project:** **\$166,666**

**Contact:** **Ms. Rosario Martinez**  
1305 N. Shoreline Blvd., Suite 205  
Corpus Christi, TX 78401  
**361.885.6248**

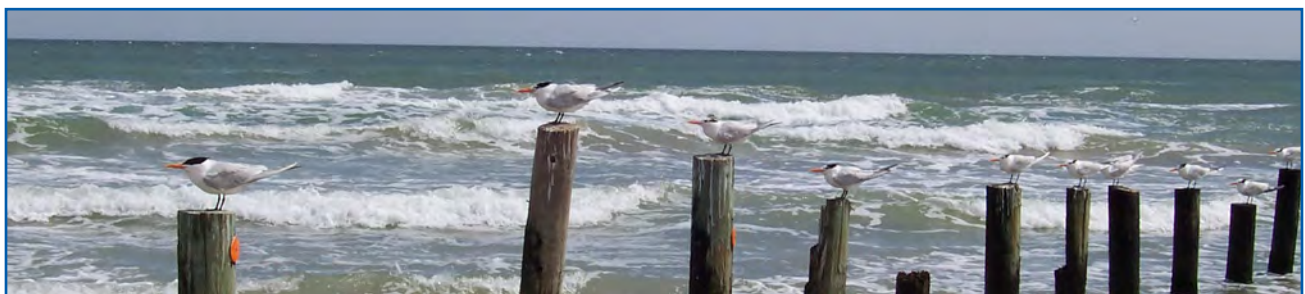
### *Seagrass Monitoring and Assessment in Texas Coastal Waters*

The University of Texas at Austin will monitor long-term health of Texas seagrass in the Lower Laguna Madre. The project contributes to a broader Tier-2 statewide effort to assess seagrass condition and distribution (see <http://www.texasseagrass.org/>).

**CMP Funded:** **\$90,000**

**Total Project:** **\$151,714**

**Contact:** **Mr. Kenneth Dunton**  
750 Channel View Drive  
Port Aransas, TX 78373  
**361.749.6744**



## Coastwide

### ***Development and Implementation of a Sanitary Survey Program for Texas Beaches***

Texas A&M University-Corpus Christi will initiate a standard sanitary survey program, currently lacking in Texas, to characterize and categorize Texas beaches, assess potential sources of pollution and predict water quality based on existing data.

**CMP Funded:** **\$99,144**

**Total Project:** **\$165,240**

**Contact:** **Dr. Joanna B. Mott**

6300 Ocean Drive, Unit 5800  
Texas A&M University-Corpus Christi  
Corpus Christi TX 78412  
**361.825.6024**

### ***Texas High School Coastal Monitoring Program***

The University of Texas – Bureau of Economic Geology will continue implementing “The Texas High School Coastal Monitoring Program,” which engages high school students, teachers, and scientists to work together to gain a better understanding of dune and beach dynamics on the Texas coast. Students and teachers will learn how to measure topography, map the vegetation line and shore-line, and observe weather and wave conditions.

**CMP Funded:** **\$81,716**

**Total Project:** **\$135,352**

**Contact:** **Ms. Tiffany L. Caudle**

University Station, Box X  
Austin, TX 78713  
**512.475.9572**



### ***The Texas General Land Office Adopt-A-Beach Marine Debris Public Relations Campaign***

The GLO will develop a new outreach campaign to help increase public awareness of the threat caused by marine debris on the Texas coast, and to spur volunteer participation in the program’s coastwide cleanup efforts.

**CMP Funded:** **\$76,647**

**Total Project:** **\$127,881**

**Contact:** **Ms. Renee Tuggle**

1700 N. Congress Ave  
Austin, TX 78701  
**512.463.5057**

### ***Training Program for Certifying Nesting Sea Turtle Monitors***

Texas A&M University at Galveston will develop and conduct workshops across the Texas coast to train personnel required by the U.S. Fish & Wildlife Service to monitor sea turtle nesting activity concurrent with on-beach projects during the nesting season.

**CMP Funded:** **\$56,725**

**Total Project:** **\$94,542**

**Contact:** **Dr. Andre M. Landry**  
P.O. Box 1675  
Galveston, TX, 77553  
**713.385.2321**





## Breakdown of Recommended Projects by County

	# Received	# Funded	\$ Funded	% \$ Funded
Aransas	1	1	100,000.00	5
Brazoria	2	0	0	0
Calhoun	1	0	0	0
Cameron	7	1	90,160.00	5
Chambers	1	0	0	0
Galveston	5	1	31,066.00	2
Harris	3	3	236,404.00	13
Jackson	0	0	0	0
Jefferson	1	0	0	0
Kenedy	0	0	0	0
Kleberg	0	0	0	0
Matagorda	0	0	0	0
Nueces	6	3	595,647.00	34
Orange	0	0	0	0
Refugio	0	0	0	0
San Patricio	1	1	210,000.00	12
Victoria	0	0	0	0
Willacy	2	0	0	0
Coastwide	9	4	314,232.00	18
Lower Coast	5	2	190,000.00	11
Upper Coast	1	0	0	0
<b>TOTAL</b>	<b>45</b>	<b>16</b>	<b>1,767,509.00</b>	<b>100</b>

## Breakdown of Recommended Projects by Funding Category

	Funded	\$ Funded	% \$ Funded
Coastal Natural Hazards Response	1	81,000.00	5
Critical Areas Enhancement	7	982,066.00	55
Information & Data Availability	0	0	0
Permit Streamlining	0	0	0
Public Education & Outreach	4	246,154.00	14
Shoreline Access	0	0	0
Water Quality Improvement	4	458,289.00	26
Waterfront Revitalization	0	0	0
<b>Total</b>	<b>16</b>	<b>1,767,509.00</b>	<b>100</b>

## Breakdown of Recommended Projects by Entity

	Funded	\$ Funded	% \$ Funded
Local Governments	3	281,000.00	16
Special Districts	0	0	0
Nonprofits	6	895,470.00	51
Universities	6	514,392.00	29
State Agencies	1	76,647.00	4
Regional Governments	0	0	0
<b>Total</b>	<b>16</b>	<b>1,767,509</b>	<b>100</b>

## Section 309 Enhancement Grants

Section 309 of the CZMA allocates funds to encourage states to develop projects that will affect program enhancements in one or more of the following nine enhancement areas:

- Wetlands
- Public access
- Coastal hazards
- Cumulative and secondary impacts
- Energy and government facility siting
- Marine debris
- Ocean resources
- Special area management plans<sup>1</sup>
- Aquaculture

As a condition of receiving grant funds under §309, the CMP must submit a §309 Assessment and Strategies Report to NOAA every five years. The report presents an assessment of each enhancement area, identifies priorities, and outlines how the CMP plans to use the funds to address those priorities over the subsequent five years.

The most recent report was approved in 2011, covering the period from 2011-2015. For this period, the Council elected to focus on one strategy that would address seven enhancement areas: wetlands, public access, marine debris, coastal hazards, cumulative and secondary impacts, energy & government facility siting, and ocean resources.

In FY 2011, under Grant Cycle 16, the Council funded one project, totaling \$536,000.

*<sup>1</sup> Special area management plans are prohibited by Texas state law.*

### ***A Vision for Our Texas Coast: Framework Development for Coastwide Planning***

Improved coastal management can be achieved by developing a robust coastal and marine spatial plan for Texas. Rather than focusing on individual coastal sectors and projects, it would be able to gather information on current and emerging human uses, environmental conditions, and stakeholder attitudes and assess tradeoffs and cumulative effects. It would also bring all stakeholders to the table to jointly determine the goals and objectives for the Texas coast and to provide a planning tool that could maximize use while minimizing conflicts. A strategy of this kind could balance ecological, social, economic, and governance objectives; create greater certainty





and less risk for users; and streamline permitting and regulation. To create this plan, we will conduct an assessment of coastal resources data available; establish visualization and collaboration tools; conduct a CMP program change legal analysis; and hold public meetings to seek input on our plan and process.

**CMP Funded:** **\$536,000**

**Total Project:** **\$536,000**

**Contact:** **Kate Zultner**  
P.O. Box 12873,  
Austin, Texas 78711-2873  
**512.936.9581**

## **Section 310 Coastal Nonpoint Source Pollution Control Grants**

FY 2011 funds were not received.

# Appendix A

## State of Texas October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Government Coordination and Decision Making	1	Total number of federal consistency projects technically reviewed (determined to be applicable for federal consistency review) during the reporting period.	328
		Number of federal agency activity projects reviewed where the project was modified due to consultation with the applicant to meet state CZM policies.	0
		Number of federal license or permit activity projects reviewed where the project was modified due to consultation with the applicant to meet state CZM policies.	208
		Number of Outer Continental Shelf (OCS) projects reviewed where the project was modified due to consultation with the applicant to meet state CZM policies.	0
		Number of projects for federal financial assistance to state agencies or local governments reviewed where the project was modified due to consultation with the applicant to meet state CZM policies.	0
Government Coordination and Decision Making	2	Number of acres of permit-estimated loss of tidal (or Great Lake) wetlands due to activities subject to CZM regulatory programs.	4.8
		Number of acres of required gain or mitigation of tidal (or Great Lake) wetlands due to activities subject to CZM regulatory programs.	31.15
		Number of acres of permit-estimated loss of beach and dune habitat due to activities subject to CZM regulatory programs.	0
		Number of acres of required gain or mitigation of beach and dune habitat due to activities subject to CZM regulatory programs.	0

# State of Texas

## October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Government Coordination and Decision Making	2	Number of acres of permit-estimated loss of nearshore habitat (intertidal, subtidal, submerged) due to activities subject to CZM regulatory programs.	118.8
		Number of acres of required gain or mitigation of nearshore habitat (intertidal, subtidal, submerged) due to activities subject to CZM regulatory programs.	41.85
		Number of acres of permit-estimated loss of other habitat types due to activities subject to CZM regulatory programs.	165.18
		Number of acres of required gain or mitigation of other habitat types due to activities subject to CZM regulatory programs.	57.58
Government Coordination and Decision Making	3	Number of coordination events related to Government Coordination offered by the CZM Program.	1
		Number of stakeholder groups participating in coordination events related to Government Coordination offered by the CZM Program.	30
		Number of coordination events related to Public Access offered by the CZM Program.	0
		Number of stakeholder groups participating in coordination events related to Public Access offered by the CZM Program.	0
		Number of coordination events related to Coastal Habitat offered by the CZM Program.	1
		Number of stakeholder groups participating in coordination events related to Coastal Habitat offered by the CZM Program.	66
		Number of coordination events related to Coastal Hazards offered by the CZM Program.	0
		Number of stakeholder groups participating in coordination events related to Coastal Hazards offered by the CZM Program.	0



# State of Texas

## October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Government Coordination and Decision Making	3	Number of coordination events related to Coastal Community Development and Coastal Dependent Uses offered by the CZM Program.	3
		Number of stakeholder groups participating in coordination events related to Coastal Community Development and Coastal Dependent Uses offered by the CZM Program.	84
Government Coordination and Decision Making	4	Number of educational activities related to Government Coordination offered by the CZM Program.	1
		Number of participants in educational activities related to Government Coordination offered by the CZM Program.	11,000
		Number of training events related to Government Coordination offered by the CZM Program.	6
		Number of participants in training events related to Government Coordination offered by the CZM Program.	168
Public Access	5	Number of public access sites created through acquisition or easement with assistance from CZM funding or staff.	1
		Number of existing public access sites enhanced with assistance from CZM funding or staff.	5
Public Access	6	Number of public access sites created through CZM regulatory requirements.	0
		Number of public access sites enhanced through CZM regulatory requirements.	4
Public Access	7	Number of educational activities related to Public Access offered by the CZM Program.	2
		Number of participants in educational activities related to Public Access offered by the CZM Program.	5,316

# State of Texas

## October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Public Access	7	Number of training events related to Public Access offered by the CZM Program.	0
		Number of participants in training events related to Public Access offered by the CZM Program.	0
Coastal Habitat	8	Number of acres of tidal or Great Lake wetlands protected by acquisition or easement with assistance from CZM funding or staff.	0
		Number of acres of tidal or Great Lake wetlands under restoration with assistance from CZM funding or staff.	0
		Number of acres of beach and dune habitat protected by acquisition or easement with assistance from CZM funding or staff.	0
		Number of acres of beach and dune habitat under restoration with or easement with assistance from CZM funding or staff.	0
		Number of acres of nearshore habitat (intertidal, subtidal, and submerged) protected by acquisition or easement with assistance from CZM funding or staff.	0
		Number of acres of nearshore habitat (intertidal, subtidal, and submerged) under restoration with assistance from CZM funding or staff.	80
		Number of acres of other types of habitat protected by acquisition or easement with assistance from CZM funding or staff.	0
		Number of acres of other types of habitat under restoration with assistance from CZM funding or staff.	379.8
		Number of meters of beach and dune habitat protected by acquisition or easement with assistance from CZM funding or staff.	0

# State of Texas

## October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Coastal Habitat	8	Number of meters of beach and dune habitat under restoration with assistance from CZM funding or staff.	17,100
		Number of meters of nearshore habitat (intertidal, subtidal, and submerged) protected by acquisition or easement with assistance from CZM funding or staff.	0
		Number of meters of nearshore habitat (intertidal, subtidal, and submerged) under restoration with assistance from CZM funding or staff.	0
		Number of meters of other types of habitat protected by acquisition or easement with assistance from CZM funding or staff.	0
		Number of meters of other types of habitat under restoration with assistance from CZM funding or staff.	0
Coastal Habitat	9	Number of marine debris removal activities completed with assistance from CZM funding or staff.	5
		Estimated number of pounds of debris removed by the above reported marine debris removal activities.	1,071,611
Coastal Habitat	10	Number of educational activities related to Coastal Habitat offered by the CZM Program.	9
		Number of participants in educational activities related to Coastal Habitat offered by the CZM Program.	25,522
		Number of training events related to Coastal Habitat offered by the CZM Program.	1
		Number of participants in training events related to Coastal Habitat offered by the CZM Program.	19

# State of Texas

## October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Coastal Hazards	11	Number of Communities that completed a project to reduce future damage from hazards with assistance from CZM funding or staff.	5
		Number of communities that completed a project to increase public awareness of hazards with assistance from CZM funding or staff.	3
Coastal Hazards	12	Number of educational activities related to Coastal Hazards offered by the CZM Program.	3
		Number of participants in educational activities related to Coastal Hazards offered by the CZM Program.	771
		Number of training events related to Coastal Hazards offered by the CZM Program.	3
		Number of participants in training events related to Coastal Hazards offered by the CZM Program.	180
Coastal Dependent Uses & Community Development	13	Number of coastal communities that developed or updated sustainable development ordinances, policies, and plans with assistance from CZM funding or staff.	0
		Number of coastal communities that completed a project to implement a sustainable development plan with assistance from CZM funding or staff.	1
		Number of coastal communities that developed or updated port or waterfront redevelopment ordinances, policies, and plans with assistance from CZM funding or staff.	0
		Number of coastal communities that completed a project to implement a port or waterfront redevelopment plan with assistance from CZM funding or staff.	0



# State of Texas

## October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Coastal Dependent Uses & Community Development	14	Number of coastal communities that developed or updated polluted runoff management ordinances, policies, and plans with assistance from CZM funding or staff.	0
		Number of coastal communities that completed projects to implement polluted runoff management plans with assistance from CZM funding or staff.	0
Coastal Dependent Uses & Community Development	15	Number of educational activities related to Coastal Dependent Uses and Community Development offered by the CZM Program.	1
		Number of participants in educational activities related to Coastal Dependent Uses and Community Development offered by the CZM Program.	379
		Number of training events related to Coastal Dependent Uses and Community Development offered by the CZM Program.	1
		Number of participants in training events related to Coastal Dependent Uses and Community Development offered by the CZM Program.	20
Financial Measures	16	Number of CZM federal and matching dollars spent on Government Coordination.	\$447,549
		Number of CZM federal and matching dollars spent on Public Access.	\$959,885
		Number of CZM federal and matching dollars spent on Coastal Habitat.	\$1,571,302
		Number of CZM federal and matching dollars spent on Coastal Hazards.	\$847,210
		Number of CZM federal and matching dollars spent on Coastal Dependent Uses and Community Development.	\$40,315

# State of Texas

## October 1, 2010 to September 30, 2011

Category		Performance Measure	Units
Financial Measures	16	Number of dollars leveraged by CZM funds for Government Coordination.	\$0.00
		Number of dollars leveraged by CZM funds for Public Access.	\$0.00
		Number of dollars leveraged by CZM funds for Coastal Habitat Activities.	\$626,863
		Number of dollars leveraged by CZM funds for Coastal Hazards.	\$52,925
		Number of dollars leveraged by CZM funds for Coastal Dependent Uses and Community Development.	\$0.00
Financial Measures	17	Number of CZM federal and matching dollars spent on technical assistance to local governments for Government Coordination.	\$180,551
		Number of CZM federal and matching dollars spent on technical assistance to local governments for Public Access.	\$0.00
		Number of CZM federal and matching dollars spent on technical assistance to local governments for Coastal Habitat.	\$0.00
		Number of CZM federal and matching dollars spent on technical assistance to local governments for Coastal Hazards.	\$58,509
		Number of CZM federal and matching dollars spent on technical assistance to local governments for Coastal Dependent Uses and Community Development.	\$0.00
		Number of CZM federal and matching dollars provided as financial assistance to local governments for Government Coordination.	\$0.00
		Number of CZM federal and matching dollars provided as financial assistance to local governments for Public Access.	\$0.00
		Number of CZM federal and matching dollars provided as financial assistance to local governments for Coastal Habitat.	\$0.00

**State of Texas**  
***October 1, 2010 to September 30, 2011***

Category	Performance Measure	Units
Financial Measures	17	Number of CZM federal and matching dollars provided as financial assistance to local governments for Coastal Hazards.
		Number of CZM federal and matching dollars provided as financial assistance to local governments for Coastal Dependent Uses and Community Development.

# Appendix B – Publications

Since the beginning of the CMP, various publications have been created and distributed to fulfill the CMP goal of educating the public about the principal coastal problems of state concern and technology available for the protection and improved management of the CNRAs. Publications are evaluated on a regular basis to identify gaps in educational materials and determine whether updates are needed for existing publications, and to reflect current areas of focus on the coast. Publications listed below reflect those that were created over the last year as well as those that are considered current publications and are distributed to the public. Past publications can be found on our website at [www.TexasCoastalConnection.com](http://www.TexasCoastalConnection.com).

## Newsletters

**“On the Coast”** Newsletter: Winter 2010 and Spring 2011: A publication distributed to the public covering current coastal news in Texas.

## Reports

***Texas Coastal Management Program Annual Report: 2010 Annual Report:*** An annual report published by the Council for the Legislature that includes yearly program initiatives, updates on the total number of consistency reviews conducted, and PSC activities and reports on the annual grant program. Demographics on the Texas coast are provided in the report on a biennial schedule.

***Coastal Erosion Planning and Response Act (CEPRA): Report to the 82nd Texas Legislature, April 2011:*** A biennial report to the Legislature that provides the information specified by CEPRA (Natural Resources Code §33.608) and highlights both the progress and the challenges of the CEPRA program over the first five biennial cycles of its implementation.

## Guidebooks, Manuals, Brochures, etc.

***Texas Aquaculture: A Regulatory Guide:*** A regulatory guide on Aquaculture and the authority and role the different state agencies have in the industry, August 2009.

***Coastal Permitting Assistance for Individuals and Small Businesses Brochure:*** A brochure that explains the functions of the PSC including contact information for each location and information on who is eligible for these services, Summer 2006.

***Dune Protection & Restoration Guide:*** An informational brochure on the importance of sand dunes and methods used for protecting and restoring these natural features, September 2007.

***Texas Coastal Management Program Guide:*** A detailed overview of the CMP that includes a breakdown of the grants program and information on the program’s goals, boundaries, policies, consistency, April 2003.



***Texas Beach and Bay Access Guidebook, Second Edition:*** This guide is designed to help the user locate a variety of public access sites, National Wildlife Refuges, and Wildlife Management Areas along the Texas Coast, August 2003.

***“Caring for the Coast,” Coastal Resources Brochure:*** This brochure provides an overview of the GLO’s duties and role as steward of the Texas coast, May 2009.

***Texas Coastal Wetlands Guide: Educators’ Guide to Texas Coastal Wetlands:*** This guide provides an overview on the various wetlands types including native fauna, the economic importance of wetlands and a detailed explanation of the wetland sites available to the public.

## **Posters, Bookmarks, Bumper Stickers, etc.**

**Poster: Texas Beaches & Dunes**

**Poster: Texas Coastal Treasures**

**Poster: Texas Submerged Lands**



## Texas Coastal Management Program

P.O. Box 12873 | Austin, Texas 78711-2873

**1.800.998.4GLO | 512.936.6447 | 512.475.0680 (Fax)**

**[glo.texas.gov](http://glo.texas.gov)**

### For more information on permitting assistance

**1.866.894.3578** (Lower Coast Office)

**1.866.894.7664** (Upper Coast Office)

**[permitting.assistance@glo.texas.gov](mailto:permitting.assistance@glo.texas.gov)**

**[www.glo.texas.gov/what-we-do/caring-for-the-coast/permit-assistance/html](http://www.glo.texas.gov/what-we-do/caring-for-the-coast/permit-assistance/html)**

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